

Title (en)

HANDLING VEHICLE AND ELECTROLYSIS PLANT COMPRISING SAID VEHICLE

Title (de)

MANÖVERFAHRZEUG UND ELEKTROLYSEANLAGE MIT DIESEM FAHRZEUG

Title (fr)

VÉHICULE DE MANUTENTION ET USINE D'ÉLECTROLYSE COMPRENANT CE VÉHICULE

Publication

EP 3060456 B1 20191218 (FR)

Application

EP 14855653 A 20141023

Priority

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Abstract (en)

[origin: WO2015059556A1] The invention relates to a vehicle (1) comprising: means for approaching a load; means for remotely detecting an obstacle, capable of scanning a detection zone (8); means for collecting kinematic data, intended to collect one or more items of data relating to the kinematics of the vehicle (1); a processing unit (16) intended to define a surveillance zone inside the detection zone (8), the shape of the surveillance zone being calculated by the processing unit (16) according to the kinematic data provided by the collection means. In addition, the vehicle (1) comprises means for the contact-based detection of obstacles, arranged on a portion of the vehicle (1) intended to face the load to be to be approached during an approach manoeuvre, and braking means intended to stop the vehicle (1) as soon as an obstacle is struck by the contact-based obstacle detection means.

IPC 8 full level

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CPC (source: EP RU)

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Citation (opposition)

Opponent : SEW-EURODRIVE GmbH

- DE 29724786 U1 20040401 - SIEMAG GMBH [DE]
- DE 102011109532 A1 20130207 - SEW EURODRIVE GMBH & CO [DE]
- DE 4234375 A1 19940414 - SCHOELLER TRANSPORTAUTOMATION [DE]
- US 2008071429 A1 20080320 - KRAIMER JAMES V [US], et al
- CN 2795178 Y 20060712 - JIKE DEV SCIENCE AND TECHNOLOG [CN]
- US 2011077814 A1 20110331 - HABERER MANFRED [DE]
- EP 2386876 A1 20111116 - SICK AG [DE]
- DE 202005004466 U1 20050901 - SICK AG [DE]
- EP 2428862 A1 20120314 - SICK AG [DE]
- DE 102004047209 B4 20090423 - DAIMLER AG [DE]
- DE 102011085019 A1 20120426 - KUKA LAB GMBH [DE], et al
- EP 2515143 A1 20121024 - SICK AG [DE]
- EP 2302416 A1 20110330 - SICK AG [DE]
- DE 4218041 A1 19931202 - MICROSONIC GES FUER MIKROELEKT [DE]

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